7 Principles of Creative Problem Solving

Breakthrough Thinking
Gerald Nadler / Shozo Hibino
Each problem is unique and may require a unique solution
Focusing on and expanding purposes helps strip away nonessential aspects of a problem.
Having a target solution in the future gives direction to near-term solutions & infuses them with larger purposes.
Every problem is part of a larger system of problems. Solving one leads to another.
Excessive data gathering may create an expert in the problem area, but knowing too much may prevent discovery of excellent alternatives.
People Design

Those who carry out and use the solution should be intimately and continuously involved in its development.
Only way to preserve the vitality of a solution is to build in and then monitor a program for continual change.